



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Docket No. 9800

Application of:

SINCLAIR, P. L.

Serial No. 09/992,523

Group Art Unit: 2167

Filed: November 14, 2001

Examiner: Leslie Wong

For: **ROW HASH MATCH SCAN IN A PARTITIONED DATABASE SYSTEM**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT
C.F.R. §1.97(b)

Sir:

In accordance with 37 CFR §1.56, §1.97 and §1.98 with regard to the above-named application, please find enclosed a copy of the reference(s) listed on the enclosed Form PTO/SB/08, entitled "Information Disclosure Statement By Applicant".

The form identifies either (i) references cited in a foreign search report with regard to an application corresponding to the named U.S. application, and/or (ii) other references.

If applicable, a copy of the foreign search report is also enclosed herewith.

Respectfully submitted,

John D. Cowart

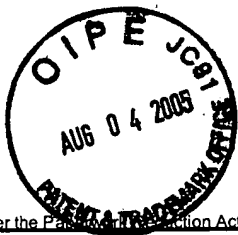
Reg. No. 38,415

NCR Corporation
Dayton, Ohio 45479-0001
Tel. No. (858) 485-4903
Fax No. (858) 485-2581

CERTIFICATION OF MAILING UNDER 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on Aug 1, 2005

By: Leslie Spicer
Name: Leslie Spicer



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

1

of

2

Complete if Known

Application Number	09/992,523
Filing Date	November 14, 2001
First Named Inventor	SINCLAIR, P. L.
Art Unit	2167
Examiner Name	Leslie Wong
Attorney Docket Number	9800

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,121,494	06/09/1992	Dias, et al.	
		US- 5,537,475	07/16/1996	Micali	
		US- 5,721,907	02/24/1998	Pyne	
		US- 5,765,146	06/09/1998	Wolf, et al.	
		US- 5,787,411	07/28/1998	Groff, et al.	
		US- 5,835,755	11/10/1998	Stellwagen, Jr.	
		US- 5,860,070	01/12/1999	Tow, et al.	
		US- 5,960,086	09/28/1999	Atalla	
		US- 6,073,129	06/06/2000	Levine, et al.	
		US- 6,081,801	6/27/2000	Cochrane, et al.	
		US- 6,105,026	08/15/2000	Kruglikov, et al.	
		US- 6,112,198	08/29/2000	Lohman, et al.	
		US- 6,115,705	09/05/2000	Larson	
		US- 6,223,182	04/24/2001	Agarwal, et al.	
		US- 6,240,428	05/29/2001	Yeung, et al.	
		US- 6,263,331	07/17/2001	Liu, et al.	
		US- 6,370,529	04/09/2002	Kruglikov, et al.	
		US- 6,401,098	06/04/2002	Moulin	

FOREIGN PATENT DOCUMENTS

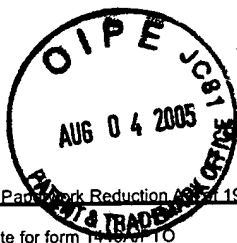
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form PTO/SB/08a

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

2

of

2

Complete if Known

Application Number	09/992,523
Filing Date	November 14, 2001
First Named Inventor	SINCLAIR, P. L.
Art Unit	2167
Examiner Name	Leslie Wong
Attorney Docket Number	9800

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 6,421,662	07/16/2002	Karten	
		US- 6,493,699	12/10/2002	Colby, et al.	
		US- 6,567,802	5/20/2003	Popa, et al.	
		US- 6,609,131	08/19/2003	Zait, et al.	
		US- 6,662,175	12/09/2003	Ghazal, et al.	
		US- 6,678,701	01/13/2004	Garth, et al.	
		US- 20020016922	02/07/2002	Richards, et al.	
		US- 20020065815	05/30/2002	Layden, David	
		US- 20020099691	07/25/2002	Lore, et al.	
		US- 20020165727	11/07/2002	Greene, et al.	
		US- 20020194157	12/19/2002	Zait, et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/08b (08-03)

Approved for use through 06/30/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of

1

Complete if Known

Application Number

09/992,523

Filing Date

November 14, 2001

First Named Inventor

SINCLAIR, P. L.

Art Unit

2167

Examiner Name

Leslie Wong

Attorney Docket Number

9800

NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner
Signature

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



Addendum

1. GOETZ GRAEFE; "Query Evaluation Techniques for Large Databases" ACM Computing Surveys, Vol. 25, No. 2, June 1993; Portland State University, Computer Science Department, P. O. Box 751, Portland, Oregon 97207-0751